



FIG. 1

AT	AID=0000	AID=0001	AID=0002	AID=FFFF
00	ART_EXAMPLE			
01				
02				
	:	:	:
	:	:	:	..
FE				
FF				

ADAPTER-TYPE / ADAPTER-ID TO ADAPTER-RESOURCE TABLE ADDRESS

FIG. 2A

RT	ART_EXAMPLE
00	ART ENTRY0
01	ART ENTRY1
02	ART_EXAMPLE ENTRY FOR CQ RESOURCE TYPE
03	.
	.
FF	ART ENTRY255

ADAPTER RESOURCE TABLE (ART)

FIG. 2B

DWORD

ART_EXAMPLE ENTRY FOR CQ RESOURCE TYPE

0	ASAB		PRC	MRC			
1	SAC	RESERVED	SMC	RESERVED			
2	RESERVED	LARID		RESERVED	RIL		
3	ACCESS-TABLE ADDRESS (ATA) - AT IS FOR ALL CQ RESOURCES			RESERVED			
4	ADAPTER-STORAGE BASE ADDRESS FOR SAT=0			RESERVED			
5	ADAPTER-STORAGE BASE ADDRESS FOR SAT=1			RESERVED			
6-18	.			RESERVED			
19	ADAPTER-STORAGE BASE ADDRESS FOR SAT=15			RESERVED			

BITS 0 8 16 32 40 52 63

ADAPTER-RESOURCE-TABLE ENTRY (ARTE)

FIG. 2C

CQ ACCESS TABLE (AT=0, AID=0)

	PSC	SIEC	M	P	V	PT	RZONE	GOID	PID
CQ0	0	0000	0	1	1	0	00	000	0000
CQ1	0	0000	0	1	1	0	00	000	0000
CQ2	1	3000	0	0	1	1	03	012	FF00

RID=2 \oplus 4K

02000

STORE MEMORY MAPPED I/O
 RESOURCE-ADDRESS DESIGNATION:
 AID=0 (HCA 0)
 RT=2 (CQ), RID=2 (CQ2)
 SAT=2 (PRIVILEGED-STORAGE AREA)
 SAO=008 HEX

CQ ADAPTER-RESOURCE-TABLE ENTRY

AT=0, AID=0

CQ	SAC	PRC	ATA	SPSAA	RSAA	PSAA	USA
CQ	5	2	AF000	1A000	2A000	3A000	4A000

3C000

SAO=008 HEX

HSA

CQ PRIVILEGED-STORAGE-AREA
 ADDRESS
 CQ0-3A000

CQ1-3B000

CQ2-3C000

3C008

HCA ADDRESS SPACE

RESOURCE ADDRESS TRANSLATION

FIG. 3